

Serial No. 09/685,333  
Amdt. dated: July 6, 2004  
Reply to Office Action of February 3, 2004

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

Claim 1 (Currently Amended) A radio communication system ~~in which~~ comprising:

a plurality of transmitters ~~transmit same each having at least one antenna for transmitting identical signals with the same frequency band; and~~  
~~a receiver receives these for receiving said signals, characterized in that wherein~~ at least one antenna is provided to each of said transmitters, and arbitrary delay is given (including a case where no delay is given) to the ~~said~~ signals to be being transmitted from ~~said antennas~~ ~~said at least one antenna of one transmitter of said plurality of transmitters is delayed an arbitrary delay time so that output power which is different from at least one delay output in the other transmitters is set in each of said plurality of transmitters.~~

Claim 2 (Currently Amended) The radio communication system according to claim 1, characterized in that when different delays as the arbitrary delays are given (including a case where no delay is given) respectively to said plurality of antennas in said transmitters, ~~wherein when signals are delayed at different arbitrary delay times in respective transmitters, a combination of output powers which is different from corresponding delay outputs in the said other transmitters is set in said respective transmitters.~~

Claim 3 (Currently Amended) The radio communication system according to claim 1, characterized in that ~~wherein said receiver comprises an equalizer in said~~

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~~receiver demodulates for demodulating~~ a signal transmitted from at least one antenna in each of said transmitters.

Claim 4 (Currently Amended) A radio communication system in which comprising:

a plurality of transmitters transmit same each having at least one antenna for transmitting identical signals with the same frequency band; and

a receiver receives these for receiving said signals, characterized in that, wherein said at least one antenna is provided to each of said transmitters, and signals which are being supplied to said the antennas are signals which are obtained by differently delaying modulated signals and carrying out weighting synthesization on them the signals, at least one of the delay amount and the weighting factor in each of said transmitters is set to a value different from the other transmitters.

Claim 5 (Currently Amended) The radio communication system according to claim 4, characterized in that wherein said receiver comprises an equalizer in said receiver demodulates for demodulating a signal transmitted from at least one antenna in each of said transmitters.

Claim 6 (Currently Amended) A radio communication system in which comprising:

a transmitter having a plurality of antennas transmits same for transmitting identical signals; and

a receiver receives these for receiving said signals, characterized in that wherein said signals which are being supplied to said plurality of antennas are signals which are obtained by differently delaying modulated signals and by carrying out

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weighting synthesization on them the signals, and at least one of the delay amount and the weighting factor is set to different values in each of said antennas.

Claim 7 (Currently Amended) The radio communication system according to claim 6, characterized in that wherein said receiver comprises an equalizer in said receiver demodulates for demodulating signals transmitted from said plurality of antennas.

Claim 8 (Currently Amended) A transmitter characterized in that in the case where a plurality of transmitters transmit same signals with same frequency band, at least one antenna is provided, and an arbitrary delay (~~including a case of no delay~~) is given to said antenna so that an output power which is different from at least one delay output in the other transmitters is set.

Claim 9 (Currently Amended) The transmitter according to claim 8, characterized in that wherein when different delays as the arbitrary delays are given (~~including a case where no delay is given~~) to a plurality of antennas, a combination of output powers which is different from corresponding delay outputs in the other transmitters is set.

Claim 10 (Currently Amended) A transmitter characterized in that in the case where a plurality of transmitters transmit same signals with same frequency band, at least one antenna is provided, and signals which are supplied to respective antennas are signals which are obtained by differently delaying modulated signals and ~~by~~ carrying out weighting synthesization on them the signals, and at least one of the delay amount and the weighting factor is set to a value different from the other transmitters.

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Claim 11 (Currently Amended) A transmitter characterized in that ~~in the case~~ where same signals are transmitted from a plurality of antennas, signals ~~which are being supplied to said antennas are signals which are obtained by differently delaying modulated signals and by carrying out weighting synthesization on them the signals,~~ and at least one of the delay amount and the weighting factor is set to different values in said antennas.

Claim 12 (Canceled)